

ABSTRACT OF THE INVENTION

[0030] An optical tag, having a photo-detector, a controller, a piezoelectric translator, a battery and a retro-reflective tape. The photo-detector is responsive to an optical energy at a predetermined wavelength, and the controller is connected to the output of the photo-detector. The piezoelectric translator connected to controller is also connected to the battery when the photo-detector responds to the optical energy. The retro-reflective tape is directly mounted on the piezoelectric translator. When the connection between the piezoelectric translator and the battery is established, a pulse is generated and applied to the retro-reflective tape. Therefore, the optical energy incident on the retro-reflective tape is modulated by the pulse and retro-reflected by the retro-reflective tape.